

Message Text

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61

ORIGIN IO-10

INFO OCT-01 ISO-00 ERDA-07 AID-05 CEA-01 CIAE-00 CIEP-02

COME-00 DODE-00 EB-07 FPC-01 H-02 INR-07 INT-05 L-03

NSAE-00 NSC-05 OMB-01 PM-04 USIA-15 SAM-01 OES-05

SP-02 SS-15 STR-04 TRSE-00 FEA-01 CEQ-01 OFA-01

EPA-04 NSF-02 AF-06 ARA-10 EA-09 EUR-12 NEA-10 /159 R

DRAFTED BY IO/CMD:LKAHN:JPS

APPROVED BY IO/CMD:WWWOODBURY

OES/ENP/EN:PGLASOE

EPA:ECOTSWORTH

CEQ-ELUBENSKY (INFO)

OES/NET/IM:RSIMPKINS

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R 101445Z SEP 75

FM SECSTATE WASHDC

TO USMISSION GENEVA

UNCLAS STATE 214934

E.O. 11652: N/A

TAGS: ECE, OCON, EMIN

SUBJECT: ECE - SYMPOSIUM ON GASIFICATION AND LIQUEFACTION
OF COAL

REF: GENEVA 6882

CONFIRM ASSUMPTION PARA 2 REFTL THAT FOLEY DOES NOT INTEND
TO PARTICIPATE AS RAPPORTEUR. FOLLOWING IS SUMMARY (FULL
TEXT WILL BE SENT SEPARATELY) OF FOLEY PAPER:

1. THE UNITED STATES HAS ABUNDANT COAL RESERVES WHICH ARE
AMPLE TO MEET ALL ITS ENERGY NEEDS. HOWEVER, BECAUSE OF
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THE UNFAVORABLE GEOGRAPHICAL DISTRIBUTION OF HIGH AND LOW

SULFUR COAL RESOURCES AND OF THE ELECTRIC UTILITY AND INDUSTRIAL DEMANDS, THE DIRECTION WHICH THE UNITED STATES WILL TAKE TO MEET ITS ENERGY NEEDS IS YET UNCLEAR. FUTURE ENERGY OPTIONS INCLUDE OIL EXPLORATION ON THE OUTER CONTINENTAL SHELF, OIL SHALE DEVELOPMENT, DIRECT COMBUSTION OF LOW SULFUR WESTERN COALS, ADVANCED COMBUSTION/CLEAN-UP TECHNIQUES FOR HIGH SULFUR COALS AND SYNTHETIC FUELS FROM COAL. ALTHOUGH THE RELATIVE IMPORTANCE OF THESE FUEL OPTIONS CAN BE RANKED USING CRITERIA SUCH AS ECONOMICS, ENERGY EFFICIENCY, PROBABILITY OF SUCCESS, AND APPLICABILITY TO INDUSTRY AND CONSUMERS, IT IS EXPECTED THAT ALL AVAILABLE OPTIONS WILL BE USED TO SOME EXTENT IN THE U.S. IT IS LIKELY THAT SYNTHETIC FUELS FROM COAL WILL BE IMPORTANT IN MAINTAINING AND EXPANDING THE SUPPLY OF CLEAN LIQUID AND GASEOUS FUELS FOR RESIDENTIAL, COMMERCIAL, LIGHT INDUSTRIAL AND TRANSPORTATION USES AND PERHAPS FOR PROVIDING AN ALTERNATIVE TO COAL COMBUSTION/CLEAN-UP FOR ELECTRIC UTILITY AND INDUSTRIAL COMBUSTION USE.

2. THE DEVELOPMENT OF THE U.S. COAL GASIFICATION AND LIQUEFACTION INDUSTRY IS PRESENTLY RECEIVING BOTH GOVERNMENT AND PRIVATE INDUSTRY SUPPORT. THE RECENTLY CREATED AGENCY, THE ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION, (ERDA), HAS RESPONSIBILITY WITHIN THE FEDERAL GOVERNMENT FOR THE DEVELOPMENT OF COAL GASIFICATION AND LIQUEFACTION TECHNOLOGIES THROUGH FULL-SCALE DEMONSTRATION. ERDA IS USING A VARIETY OF MECHANISMS TO SPUR SUCH DEVELOPMENT, INCLUDING INHOUSE RESEARCH AT FEDERAL LABORATORIES AND PILOT AND DEMONSTRATION PROJECTS JOINTLY SPONSORED WITH PRIVATE INDUSTRY. IN FISCAL YEAR 1975, APPROXIMATELY DOLS 200 MILLION WAS SPENT BY ERDA ON SYNTHETIC FUEL R&D; IN FY 1976, ANOTHER DOLS 240 MILLION WILL BE SPENT ON SUCH R&D. ANOTHER GOVERNMENT AGENCY, THE ENVIRONMENTAL PROTECTION AGENCY (EPA), IS SUPPORTING THIS SYNTHETIC FUEL PROGRAM BY PERFORMING ENVIRONMENTAL ASSESSMENT OF THE DIFFERENT GASIFICATION AND LIQUEFACTION PROCESSES AND DEVELOPING THE DATA BASE TO SET ENVIRONMENTAL STANDARDS FOR THESE PROCESSES. APPROXIMATELY, DOLS 7.5 MILLION WAS ALLOCATED EPA IN FY 1975 FOR THIS SUPPORTING WORK; ANOTHER DOLS 6.0 MILLION WILL BE SPEND IN FY 1976. PRIVATE

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INDUSTRY IS INVOLVED IN ALL PHASES OF THE DEVELOPMENT AND WILL LIKELY HAVE ULTIMATE RESPONSIBILITY FOR COMMERCIALIZING THE PROCESSES.

3. ESTIMATES OF THE AMOUNT OF AIR AND WATER POLLUTANTS AND SOLID WASTE WHICH WILL BE PRODUCED BY COAL GASIFICATION AND LIQUEFACTION PROCESSES HAVE BEEN MADE BY A NUMBER OF FEDERAL AND PRIVATE EFFORTS IN THE U.S. THESE ESTIMATES

INDICATE THAT BETTER ENVIRONMENTAL CONTROL TECHNOLOGY MAY BE REQUIRED IN ORDER TO ENSURE ADEQUATE ENVIRONMENTAL PROTECTION. IT IS ALSO CLEAR THAT ADDITIONAL ENVIRONMENTAL TESTING AND HEALTH EFFECTS RESEARCH IS NEEDED TO DETERMINE THE EFFECTS OF THE TOTAL SPECTRUM OF POTENTIALLY TOXIC AND CARCINOGENIC COMPOUNDS WHICH MAY BE FOUND IN AIR, WATER AND SOLID EFFLUENTS AND TO DETERMINE THE LEVELS OF CONTROL WHICH ARE NEEDED. THE SYNTHETIC FUEL RESEARCH PROGRAM OF THE EPA WHICH IS PRESENTLY ADDRESSING THESE NEEDS IS BEING DESCRIBED IN DETAIL. KISSINGER

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NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: COAL, GASES
Control Number: n/a
Copy: SINGLE
Draft Date: 10 SEP 1975
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Authority: n/a
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 JAN 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1975STATE214934
Document Source: CORE
Document Unique ID: 00
Drafter: LKAHN:JPS
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Film Number: D750314-0145
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1975/newtext/t19750965/aaaacfpd.tel
Line Count: 125
Locator: TEXT ON-LINE, ON MICROFILM
Office: ORIGIN IO
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 3
Previous Channel Indicators: n/a
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: 75 GENEVA 6882
Review Action: RELEASED, APPROVED
Review Authority: RowellE0
Review Comment: n/a
Review Content Flags:
Review Date: 31 MAR 2003
Review Event:
Review Exemptions: n/a
Review History: RELEASED <31 MAR 2003 by MaustMC>; APPROVED <29 JAN 2004 by RowellE0>
Review Markings:

Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
06 JUL 2006

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: ECE - SYMPOSIUM ON GASIFICATION AND LIQUEFACTION OF COAL
TAGS: OCON, EMIN, ECE, (FOLEY, GARY T)
To: GENEVA
Type: TE
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 06 JUL 2006